L\ Number	Hits	Search Text	DB	Time stamp
	1262	345/87.ccls.	USPAT;	2003/06/18
			US-PGPUB;	12:24
			DERWENT	
_	2	345/87.ccls. and (swing near2 common	USPAT;	2003/06/18
	-	near2 electrode)	US-PGPUB;	12:26
		nearz electione)	DERWENT	12.20
_	359	345/87.ccls. and (common near2 electrode)	USPAT;	2003/06/18
	339	343/07.ccis. and (common near2 electrode)	US-PGPUB:	12:26
			DERWENT	12:20
	12	(345/87.ccls. and (common near2 electrode))	USPAT;	2003/06/18
•	12	1 .	1	
		and swing	US-PGPUB;	12:26
		(/ 0 look a 100) as a 0 (o aloutto	DERWENT	0000100140
-	229	((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/18
		inversion)) and (345/87-104.ccls.)	US-PGPUB;	17:26
			DERWENT	
•	166	((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
		inversion)) and (345/87-104.ccls.)		17:52
•	161	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
		inversion)) and (345/87-104.ccls.)) and line		17:53
-	39	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
·		inversion)) and (345/87-104.ccls.)) and (line		17:53
		near2 inversion)		
<b>-</b> į	36	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
İ		inversion)) and (345/87-104.ccls.)) and	•	17:58
		parasitic		
-	63	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
i		inversion)) and (345/87-104.ccls.)) and odd		18:07
		and even		
_	36	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/18
1		inversion)) and (345/87-104.ccls.)) and (odd		18:08
		near3 line) and (even near3 line)		
_	13	("4842371"   "5093655"   "5274366"	USPAT	2003/06/18
-		"5392058"   "5412397"   "5414443"	00.7.	18:17
İ		"5418547"   "5436635"   "5438342"		10.17
		"5459484"   "5465102"   "5510805"		
İ				
	22	"5528256").PN.	USPAT	2003/06/18
•	23	5748165.URPN.	USPAI	18:17
		E7404GE LIDDN	LICOAT	
•	23	5748165.URPN.	USPAT	2003/06/18
		//	Henat	18:19
-	229	((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/19
		inversion)) and (345/87-104.ccls.)	US-PGPUB;	16:13
			DERWENT	
-	85362	(((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/19
		inversion)) and (345/87-104.ccls.)) and line	US-PGPUB;	16:13
		inversion	DERWENT	
-	62	(((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/19
		inversion)) and (345/87-104.ccls.)) and (line	US-PGPUB;	16:20
		near2 inversion)	DERWENT	
-	39	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/19
		inversion)) and (345/87-104.ccls.)) and (line	1	18:36
		near2 inversion)		

-	55	(((common near3 electrod\$3) near8 (polarity inversion)) and (345/87-104.ccls.)) and	USPAT	2003/06/19 16:37
		(common near3 (times wide\$1 width))		10.01
	29	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/19
		inversion)) and (345/87-104.ccls.)) and		16:40
	-	((common near2 voltage) near3 (times		
		wide\$1 width))		
•	3	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/19
		inversion)) and (345/87-104.ccls.)) and		16:41
		(((common near2 voltage) near3 pulse)		
		near3 (times wide\$1 width))		
-	7	swing and (((common near3 electrod\$3)	USPAT	2003/06/19
<b>i</b>		near8 (polarity inversion)) and		18:37
		(345/87-104.ccls.))		
•	6	swing adj common adj electrode	USPAT;	2003/06/20
			US-PGPUB;	11:13
			DERWENT	
-	236	((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/20
		invert inversion)) and (345/87-104.ccls.)	US-PGPUB;	11:29
			DERWENT	
-	236	((common near3 electrod\$3) near8 (polarity	USPAT;	2003/06/20
		invert inversion)) and (345/87-104.ccls.)	US-PGPUB;	11:29
			DERWENT	0000/00/00
-	172	((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/20
		invert inversion)) and (345/87-104.ccls.)	HEDAT	14:15
-	1	6064358.pn.	USPAT	2003/06/20 13:27
	30	///common near? clostrod\$2\ near\$ (nelevity	USPAT	2003/06/20
•	30	(((common near3 electrod\$3) near8 (polarity invert inversion)) and (345/87-104.ccls.)) and	USPAI	13:27
		(line adj inversion)		13.27
_	37	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/20
		invert inversion)) and (345/87-104.ccls.)) and		15:50
		"n+1"		
-	1	5748165.pn.	USPAT	2003/06/20
		•		16:30
-	169	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/20
		invert inversion)) and (345/87-104.ccls.)) and		16:30
		(two near US-20030107544-A1.DID.		
		(common adj electrode))		
-	172	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/20
		invert inversion)) and (345/87-104.ccls.)) and		16:31
		(two near US-20030107544-A1.DID.		
		(common))		
-	4	(((common near3 electrod\$3) near8 (polarity	USPAT	2003/06/20
		invert inversion)) and (345/87-104.ccls.)) and		16:31
		(two adj (common adj electrode))		0004/00/0=
•	1783	(common adj (electrode line)) and (storage	USPAT	2004/02/05
	_	adj capacit\$4)	HERAT	17:01
-	0	((common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4)) and swing near2 common	HEDAT	16:01
-		, , , , , , , , , , , , , , , , , , , ,	USPAI	
-	0	((common adj (electrode line)) and (storage adj capacit\$4)) and (swing near2 common)	USPAT	2004/02/05 16:01

•	0	((common adj (electrode line)) and (storage adj capacit\$4)) and (swing near2 common	USPAT	2004/02/05 16:01
		adj voltage)		
•	0	swing near2 common adj voltage	USPAT	2004/02/05 16:01
•	1	swing near2 (common adj voltage)	USPAT	2004/02/05
				16:02
•	0	swing near2 (common adj electrode)	USPAT	2004/02/05 16:18
	161	((common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4)) and (common adj voltage)		16:20
-	131	(((common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4)) and (common adj voltage)) and matrix		16:20
	117	((((common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4)) and (common adj voltage)) and matrix) and display		16:20
	65	(common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4) and ((dot line) adj inversion)		17:08
	46	(common adj (electrode line)) and (storage	USPAT	2004/02/05
		adj capacit\$4) and ((dot pixel) adj inversion)		17:08
	4459	(common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)	JPO	17:38
_	5	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and (two near2 common adj voltages)	JPO	17:42
_	0	(((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and ((two second	JPO	17:41
		pair multiple several plurality) near3		
		common adj voltages)) and (not ((common		
		near2 (line electrode)) and (storage adj capacit\$4)))		
	7	((common near2 (line electrode)) and	USPAT;	2004/02/05
•	<b>'</b>	(storage adj capacit\$4)) and ((two second	JPO	17:43
		pair multiple several plurality) near3	JFO	17:43
	_	common adj voltages)		0004/00/05
•	5	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and (two near2 common adj voltage)	JPO	17:43
-	220	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and (common adj voltage)	JPO	17:43
-	32	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and ((two second	JPO	17:44
		pair multiple several plurality) near3 common adj voltage)		
	1635	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and ((two second pair multiple several plurality) near3	JPO	17:44
	1	common)		
	1635	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and ((two second	JPO	17:44
		pair multiple several plurality) near3		
	1	Fart manufacture Branding, manual	1	1

•	136	((common near2 (line electrode)) and	USPAT;	2004/02/05
		(storage adj capacit\$4)) and ((two second	JPO	17:44
		pair multiple several plurality) near3	0.0	
		common near2 (source))		
	135	((common near2 (line electrode)) and	USPAT	2004/02/05
		(storage adj capacit\$4)) and ((two second	00.7.	17:57
		pair multiple several plurality) near3		
		common near2 (source))		
_	29788	(dot line pixel) near5 (invert\$3 inversion)	USPAT	2004/02/05
_	23700	(aut line pixel) heard (inverted inversion)	301 A.	17:58
_	5190	((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
•	3190	and (common near2 (voltage electrode line))	COPAT	17:58
_	277	(((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
•	211	and (common near2 (voltage electrode	COPA	17:59
				17.55
	4904	line))) and frame near5 (invert\$3 inversion)	USPAT	2004/02/05
•	1894	(((dot line pixel) near5 (invert\$3 inversion))	USPAI	17:59
		and (common near2 (voltage electrode		17:59
	000	line))) and matrix	HEDAT	2004/02/05
•	220	((((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		17:59
		line))) and frame near5 (invert\$3 inversion))		
		and matrix		0004/00/05
•	170	(((((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		17:59
		line))) and frame near5 (invert\$3 inversion))		
		and matrix) and 345/\$.ccls.		0004/00/07
•	167	(((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		18:00
		line))) and overshoot		
•	6	(((((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		18:02
		line))) and frame near5 (invert\$3 inversion))		
		and matrix) and overshoot		
•	277	((((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		18:02
		line))) and frame near5 (invert\$3 inversion))		
-	216	((((dot line pixel) near5 (invert\$3 inversion))	USPAT	2004/02/05
		and (common near2 (voltage electrode		18:03
		line))) and frame near5 (invert\$3 inversion))		
		and display and matrix		
-	228	dot adj inversion	USPAT;	2004/02/05
			JPO	18:19
-	220	(dot adj inversion) and display	USPAT;	2004/02/05
			JPO	18:19
-	171	dot adj inversion	USPAT	2004/02/05
				18:21
-	103	(dot adj inversion) and common adj (voltage	USPAT	2004/02/05
		electrode)		18:20
-	15	(dot adj inversion).ab.	USPAT	2004/02/05
				18:22
-	4	(dot adj inversion).ab. and storage	USPAT	2004/02/05
				18:23
-	62	(dot adj inversion) and storage adj	USPAT	2004/02/05
		capacit\$4		18:24

•	68	((dot pixel) adj inversion) and storage adj capacit\$4	USPAT	2004/02/05 18:24
-	59	(((dot pixel) adj inversion) and storage adj	USPAT	2004/02/05
		capacit\$4) and common		18:24
•	45	(((dot pixel) adj inversion) and storage adj	USPAT	2004/02/05
		capacit\$4) and (common adj (line electrode))		18:24
-	72594	common near4 (line electrode)	USPAT;	2004/05/04
		<b>,</b> ,	JPO	12:10
	58084	common near4 (line electrode)	USPAT	2004/05/04
		, ,		12:10
-	5363	(common near4 (line electrode)) and	USPAT	2004/05/04
		display.ab.		12:10
-	622	alternat\$3 near4 (common near4 (line	USPAT	2004/05/04
		electrode))		13:14
•	129	(alternat\$3 near4 (common near4 (line	USPAT	2004/05/04
		electrode))) and 345/\$.ccls.		13:15
-	27	(alternat\$3 near4 (common near4 (line	USPAT	2004/05/04
		electrode))) and ((line dot pixel) near3		13:15
		inversion)		
-	63	(alternat\$3 near4 (common near4 (line	USPAT	2004/05/04
		electrode))) and ((line dot pixel) near3 inver\$4)		13:42
•	489	(common near4 (line electrode)) and ((line	USPAT	2004/05/04
		dot pixel) near3 inversion)		13:15
-	193	((common near4 (line electrode)) and ((line	USPAT	2004/05/04
		dot pixel) near3 inversion)) and 345/\$.ccls.		13:15
•	36	((alternat\$3 near4 (common near4 (line	USPAT	2004/05/04
		electrode))) and ((line dot pixel) near3		13:47
		inver\$4)) and (not ((alternat\$3 near4		
		(common near4 (line electrode))) and ((line		
		dot pixel) near3 inversion)))		
•	1947	(dot pixel) near3 inver\$5	USPAT	2004/05/04
				13:47
•	752	((dot pixel) near3 inver\$5) and (LCD (liquid	USPAT	2004/05/04
		near2 crystal))		13:48
-	305	(((dot pixel) near3 inver\$5) and (LCD (liquid	USPAT	2004/05/04
		near2 crystal))) and (common near2 (line		13:49
	65	electrode)) (((dot pixel) near3 inver\$5) and (LCD (liquid	USPAT	2004/05/04
•	65	near2 crystal))) and (common near2 (line	USPAI	14:00
		electrode)) near4 (opposite alterna\$4)		14.00
_	70	(((dot pixel) near3 inver\$5) and (LCD (liquid	USPAT	2004/05/04
-	70	near2 crystal))) and (common near2 (line	COFAI	14:00
		electrode)) near4 (opposite alterna\$4		14.00
		neighbor\$4)		
-	18	(((dot pixel) near3 inver\$5) and (LCD (liquid	USPAT	2004/05/04
		near2 crystal))) and (common near2 (line		14:00
		electrode)) near4 (adjacent neighbor\$4)		
_	8381	frame near4 inver\$4	USPAT;	2004/05/06
			JPO	12:37
-	385	(frame near4 inver\$4) and (common near3	USPAT;	2004/05/06
		(line electrode))	JPO	12:34

•	434	(frame near4 inver\$4) and (common near3	USPAT;	2004/05/06
		(line electrode voltage ))	JPO	12:34
-	80	((frame near4 inver\$4) and (common near3	USPAT;	2004/05/06
		(line electrode))) and ((alternat\$4) (every adj	JPO	12:37
		other)) near4 (common line electode)		
-	35743	(frame dot line) near4 inver\$4	USPAT;	2004/05/06
			JPO	12:37
-	2317	((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	12:43
		(common line electode)		
-	243	(((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	12:37
		(common line electode)) and 345/\$.ccls.		
•	163	(((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	12:38
		(common line electode)) and		
		345/87-104.ccls.	,	
•	164	(((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	13:04
		(common line electode)) and		
		345/87-107.ccls.		
-	8196	((frame dot line) near4 inver\$4) and (two)	USPAT;	2004/05/06
		near4 (common line electode)	JPO	13:02
_	37	((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	12:49
		(common near3 ( line electode))		1-110
	68	((frame dot line) near4 inver\$4) and	USPAT;	2004/05/06
		((alternat\$4) (every adj other)) near4	JPO	13:00
		((common near3 (voltage))(vcom))		
-	320	((frame dot line) near4 inver\$4) and (two	USPAT;	2004/05/06
		near4 (common near3 (voltage line	JPO	13:03
		electrode)))		
•	304	(((frame dot line) near4 inver\$4) and (two	USPAT;	2004/05/06
		near4 (common near3 (voltage line	JPO	13:02
		electrode)))) and (two) near4 (common line		
		electode)		
-	324	((frame dot line) near4 inver\$4) and (two	USPAT;	2004/05/06
	02.	near4 ((common near3 (voltage line	JPO	13:04
		electrode)) vcom))		
-	830	((frame dot line) near4 inver\$4) and ((two	USPAT;	2004/05/06
		second) near4 ((common near3 (voltage line	JPO	13:07
		electrode)) vcom))	0.0	10.01
	123	(((frame dot line) near4 inver\$4) and ((two	USPAT;	2004/05/06
		second) near4 ((common near3 (voltage line	JPO	13:07
		electrode)) vcom))) and 345/87-107.ccls.	0.0	10.07
_	687	((frame dot line) near4 inver\$4) and ((two	USPAT;	2004/05/06
	30.	second) near4 ((common near3 (line	JPO	13:07
		electrode)) vcom))		
	680	((frame dot line) near4 inver\$4) and ((two	USPAT;	2004/05/06
-	300	second) near4 ((common near3 (line	JPO	13:07
		electrode))))	3.0	13.07
_	91	(((frame dot line) near4 inver\$4) and ((two	USPAT;	2004/05/06
-	31	second) near4 ((common near3 (line	JPO	13:07
		electrode))))) and 345/87-107.ccls.	JFO	13.07
	L	electione//// and 345/0/*IV/.CCIS.	1	

•	134307	(common near3 (voltage electrode line))	USPAT;	2004/05/06
			US-PGPUB;	15:09
			EPO; JPO;	
•			DERWENT;	
			IBM_TDB	
•	7948	((common near3 (voltage electrode line)))	USPAT;	2004/05/06
-	.545	and LCD	US-PGPUB;	15:09
		and Lob	EPO; JPO;	13.03
			DERWENT;	
			IBM_TDB	
•	1708	(storage adj capacitor) same (common	USPAT;	2004/05/06
		near3 (voltage electrode line))	US-PGPUB;	17:36
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	627	((storage adj capacitor) same (common	USPAT;	2004/05/06
		near3 (voltage electrode line))) and LCD	US-PGPUB;	15:09
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	544	/-t	_	2004/05/06
-	514	(storage adj capacitor) same (opposite	USPAT;	2004/05/06
		different adjacent neighboring alternat\$4)	US-PGPUB;	15:10
		same (common near3 (voltage electrode	EPO; JPO;	
		line))	DERWENT;	
			IBM_TDB	
-	89	(storage adj capacitor) same ( alternat\$4)	USPAT;	2004/05/06
		same (common near3 (voltage electrode	US-PGPUB;	15:10
		line))	EPO; JPO;	
		,,	DERWENT,	
			IBM_TDB	
_	61	(storage adj capacitor) same ( alternat\$4)	USPAT;	2004/05/06
	0.	same (common near3 (voltage electrode	EPO; JPO;	15:10
	,	, ,	DERWENT;	13.10
		line))	· 1	
	_	("	IBM_TDB	0004/05/00
-	5	("5253091"   "5489867"   "5748165"	USPAT	2004/05/06
		"5886679"   "5926161").PN.		17:22
-	13	("4842371"   "5093655"   "5274366"	USPAT	2004/05/06
		"5392058"   "5412397"   "5414443"		17:24
		"5418547"   "5436635"   "5438342"		
		"5459484"   "5465102"   "5510805"		
		"5528256").PN.		
•	31	vcom1 and vcom2	USPAT;	2004/05/06
			US-PGPUB:	17:28
			DERWENT	
_	24	vcom1 and vcom2	USPAT:	2004/05/06
•	24	veomi and veomi	,	
			JPO;	17:28
			DERWENT	
-	112	(storage adj capacitor) same (alternat\$4	USPAT;	2004/05/06
		near3 (line))	US-PGPUB;	17:37
			EPO; JPO;	
			DERWENT;	
	1	I .	IBM_TDB	I .

•	13	(storage adj capacitor) near6 (alternat\$4	USPAT;	2004/05/06
		near3 (line))	US-PGPUB;	17:41
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
•	11	(storage adj capacitor) near9 (alternat\$4	USPAT;	2004/05/06
		near3 (line))	EPO; JPO;	17:42
			DERWENT;	
			IBM_TDB	
•	54	(two second) near3 common near9	USPAT;	2004/05/06
		(alternat\$4 near5 (line))	EPO; JPO;	17:43
			DERWENT;	
*			IBM_TDB	
-	6625	gate near6 (common near2 (line electrode))	USPAT;	2004/05/07
			US-PGPUB;	11:36
			DERWENT	
•	418	gate near6 parallel near6 (common near2	USPAT;	2004/05/07
		(line electrode))	US-PGPUB;	11:37
			DERWENT	
-	257	gate near6 parallel near6 (common near2	USPAT;	2004/05/07
		(line electrode))	DERWENT	11:37
-	16	345/87-107.ccls. and (gate near6 parallel	USPAT;	2004/05/07
		near6 (common near2 (line electrode)))	DERWENT	11:38
•	0	capacitor near6 (every adj other ) near5	USPAT;	2004/05/07
		common	JPO	11:51
-	31	capacitor near6 (alternating) near5 common	USPAT;	2004/05/07
			JPO	11:51
-	1	5926161.pn.	USPAT;	2004/05/10
			JPO	12:40
-	1	6489952.pn.	USPAT;	2004/05/10
			JPO	13:45
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